

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118607.D
 Acq On : 20 Jan 2020 22:44
 Operator : CG/JU
 Sample : L1176-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 01:44:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	526252	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1912232	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	1095664	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1860922	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	1012453	20.00	ng	-0.01
87) Perylene-d12	15.50	264	1122895	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	3734794	131.81	ng	0.02
7) Phenol-d6	6.51	99	4975183	135.09	ng	0.00
23) Nitrobenzene-d5	7.44	82	3147836	92.08	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	1680868	132.64	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	5588725	83.84	ng	0.00
79) Terphenyl-d14	12.99	244	5433434	117.05	ng	0.00

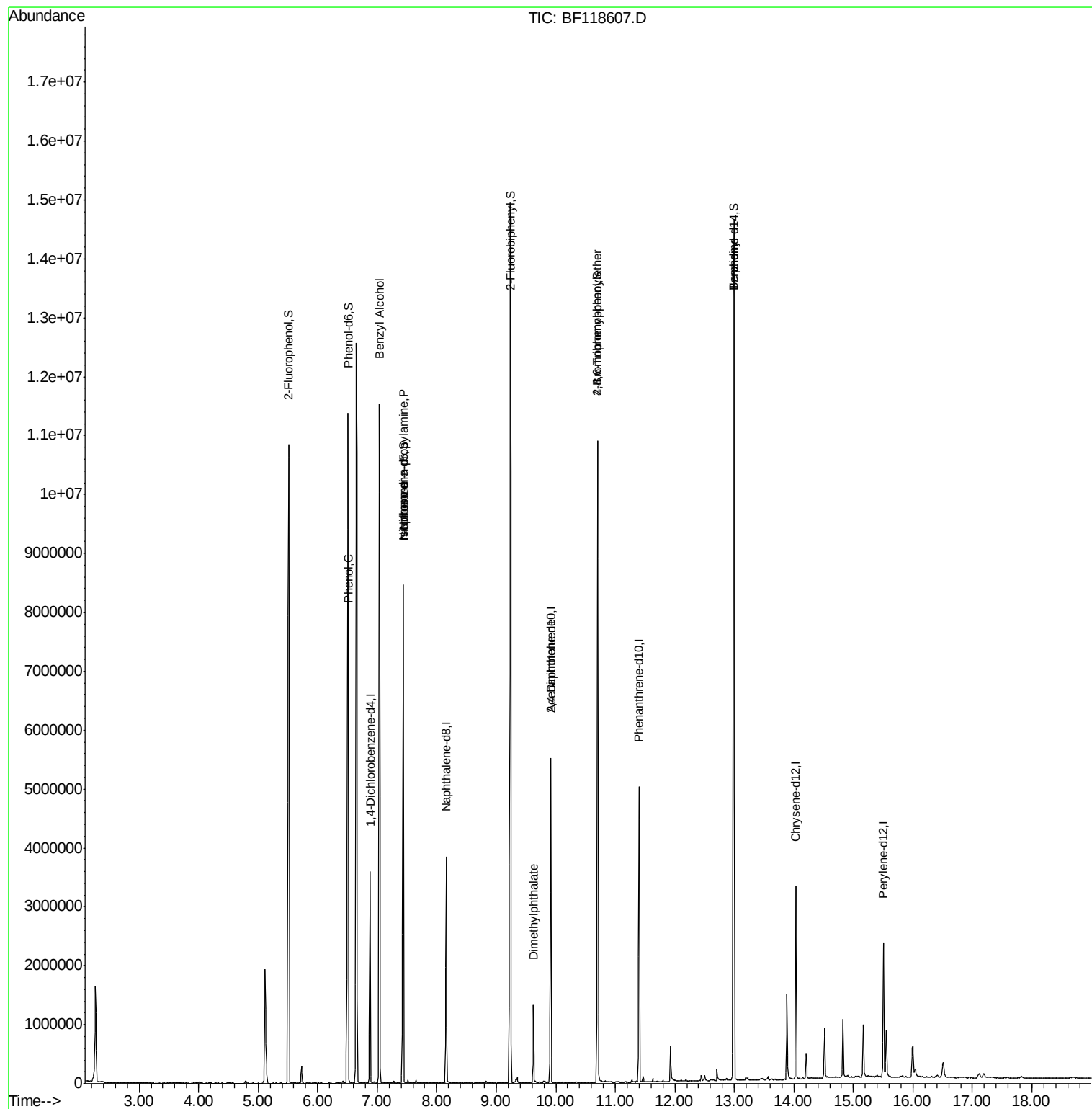
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	153373	3.654	ng	93
15) Benzyl Alcohol	7.04	79	58445	2.001	ng	# 46
19) n-Nitroso-di-n-propylamine	7.44	70	460051	18.500	ng	# 75
25) Isophorone	7.44	82	3144583	50.429	ng	# 64
50) Dimethylphthalate	9.63	163	521549	7.306	ng	97
57) 2,4-Dinitrotoluene	9.92	165	144407	7.166	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	108450	4.717	ng	# 1
77) Benzidine	12.99	184	80477	2.975	ng	# 94

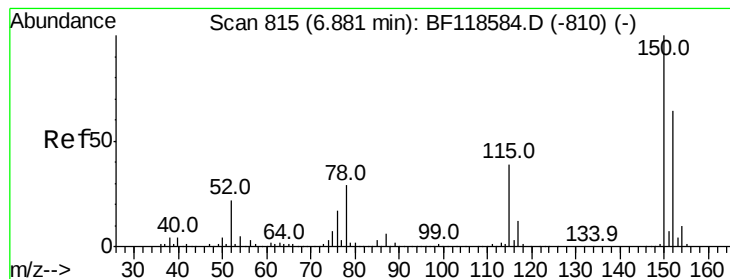
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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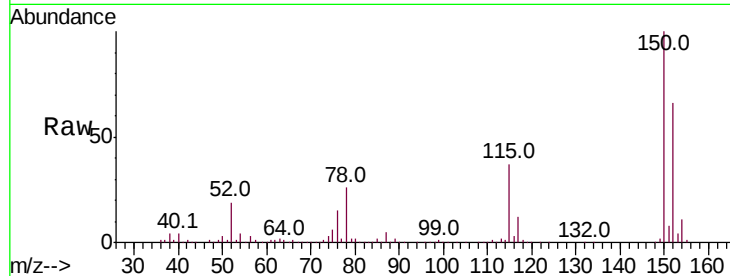


#1

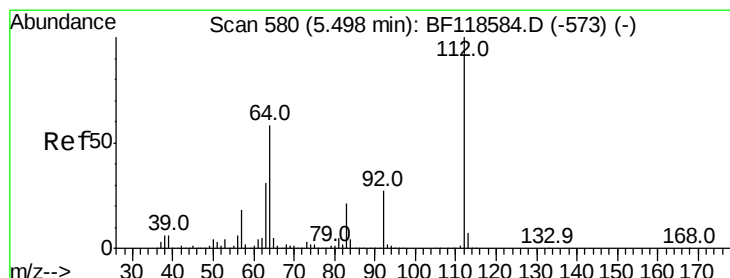
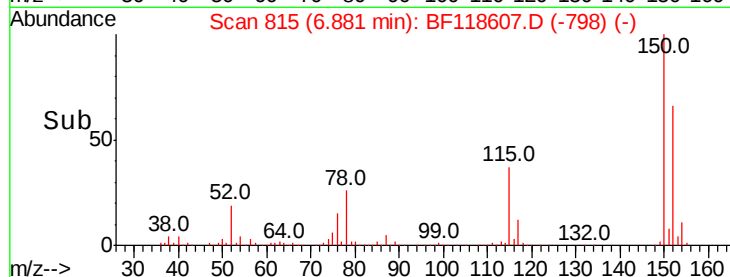
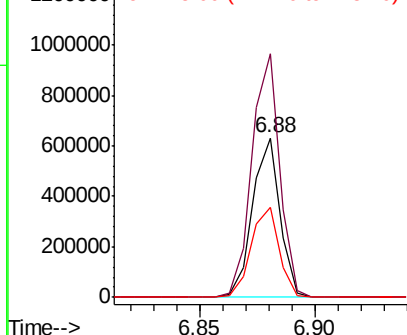
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118607.D
Acq: 20 Jan 2020 22:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 526252
Ion Ratio Lower Upper
152 100
150 152.6 125.6 188.4
115 56.7 48.4 72.6



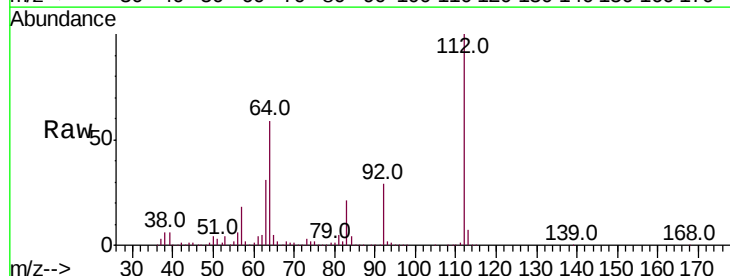
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



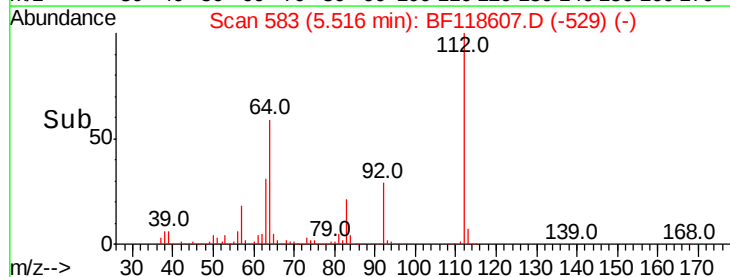
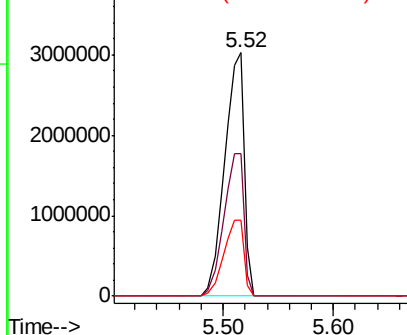
#5

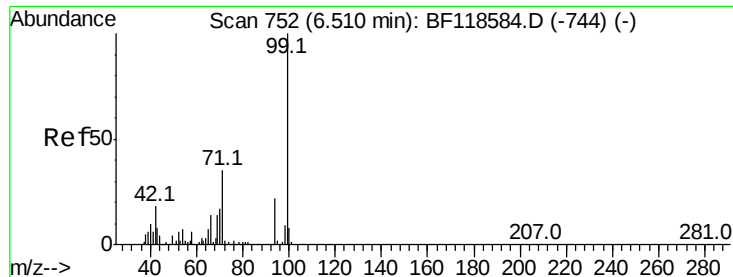
2-Fluorophenol
Concen: 131.809 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF118607.D
Acq: 20 Jan 2020 22:44

Tgt Ion:112 Resp: 3734794
Ion Ratio Lower Upper
112 100
64 58.7 46.6 70.0
63 31.4 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 135.092 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

Instrument :

BNA_F

ClientSampleId :

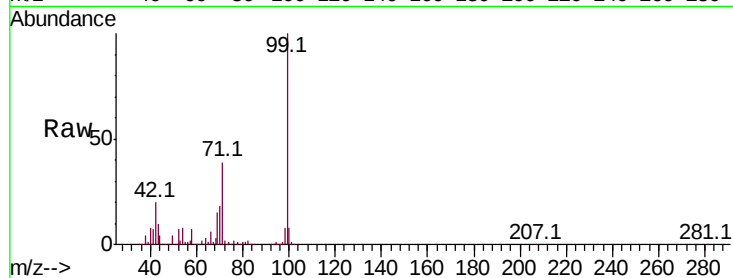
Tot Ion: 99 Resp: 4975183

Ion Ratio Lower Upper

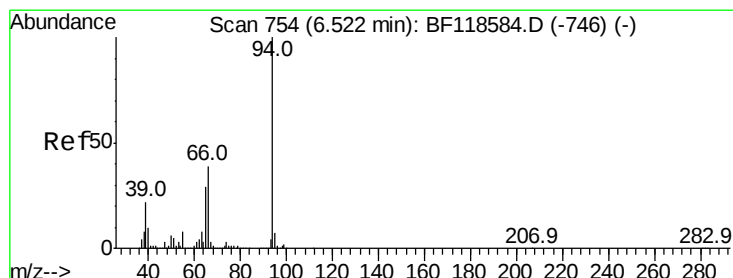
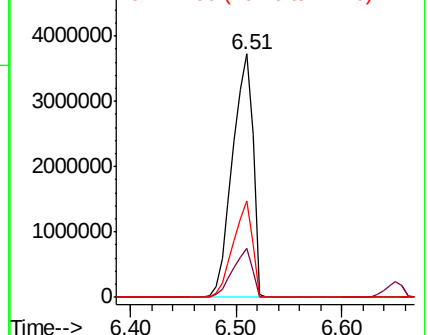
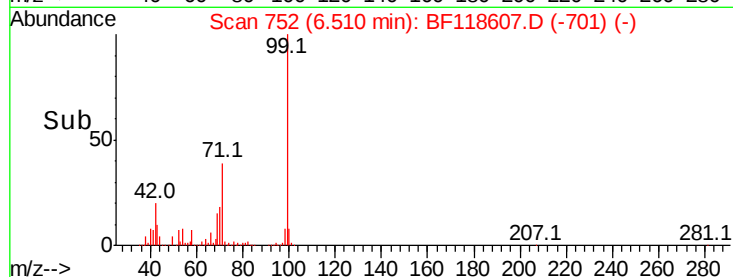
99 100

42 20.0 14.2 21.2

71 39.4 27.8 41.6



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.654 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

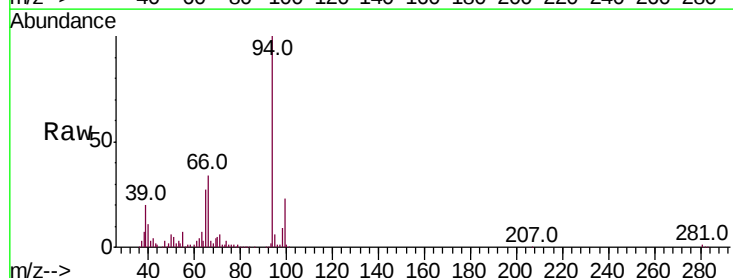
Tgt Ion: 94 Resp: 153373

Ion Ratio Lower Upper

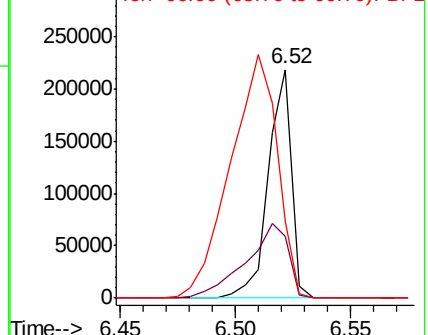
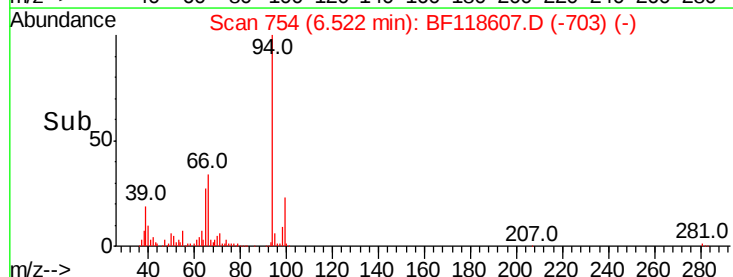
94 100

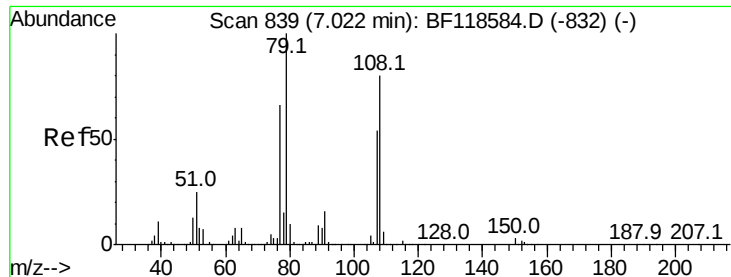
65 26.8 9.5 49.5

66 33.7 18.5 58.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.001 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.02 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

Instrument :

BNA_F

ClientSampleId :

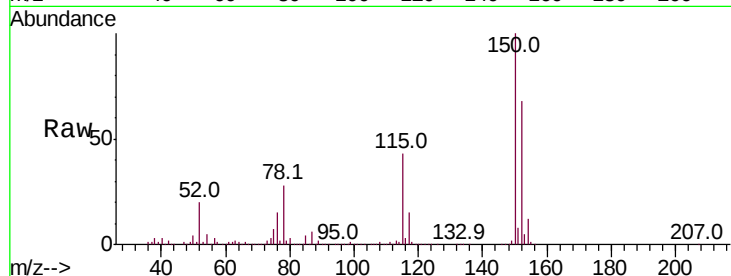
Tot Ion: 79 Resp: 58445

Ion Ratio Lower Upper

79 100

108 35.6 63.6 95.4#

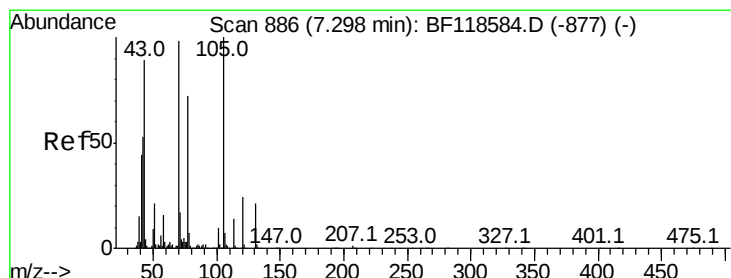
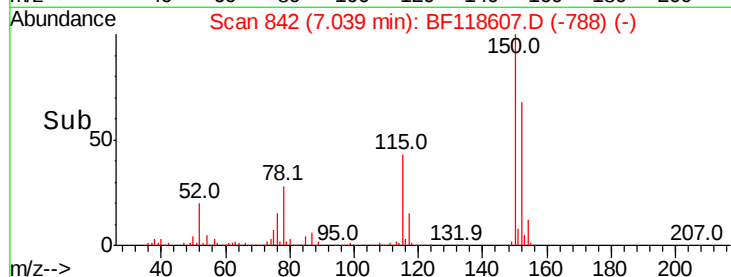
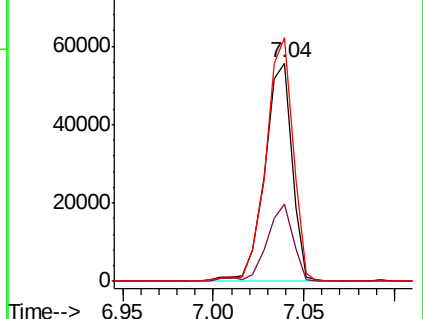
77 111.6 52.5 78.7#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 18.500 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

Tgt Ion: 70 Resp: 460051

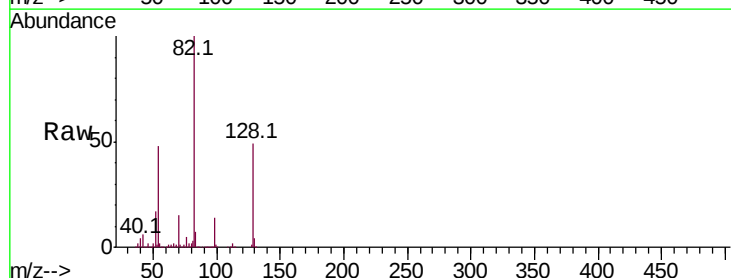
Ion Ratio Lower Upper

70 100

42 41.7 43.4 65.0#

101 0.0 8.1 12.1#

130 2.2 17.6 26.4#

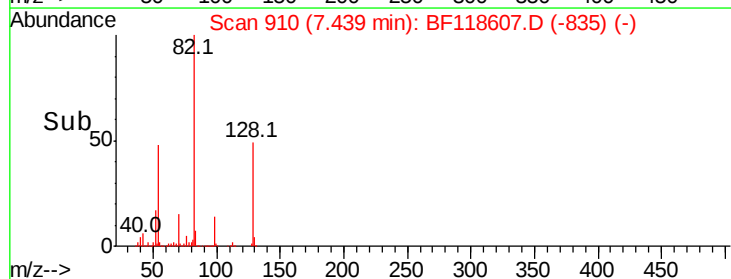
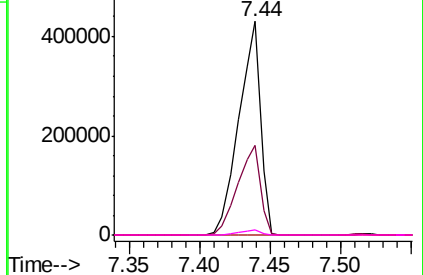


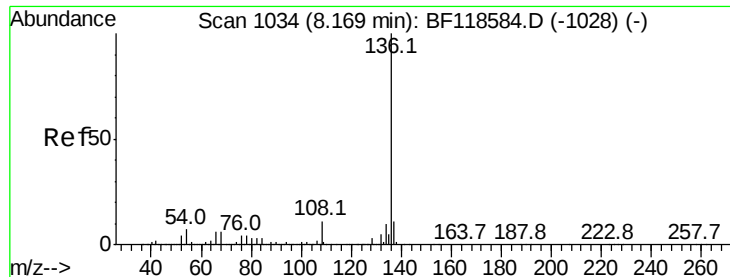
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



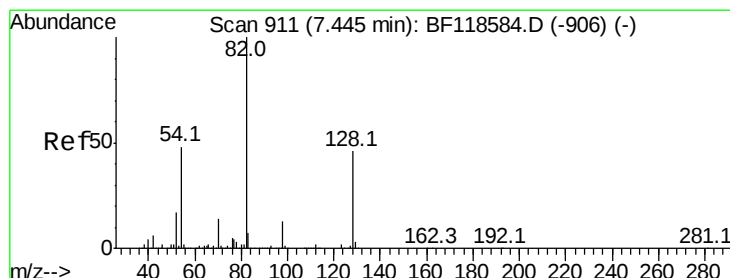
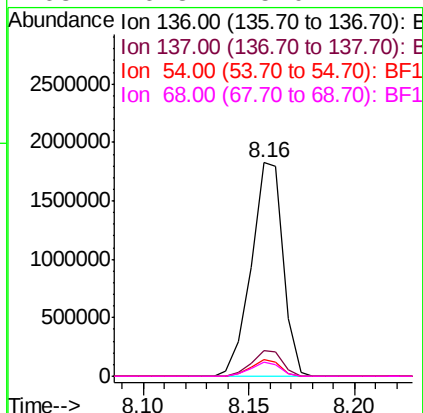
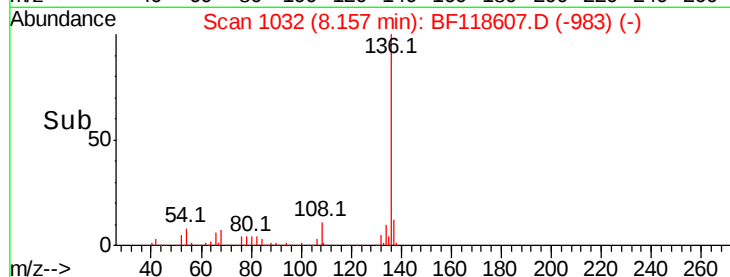
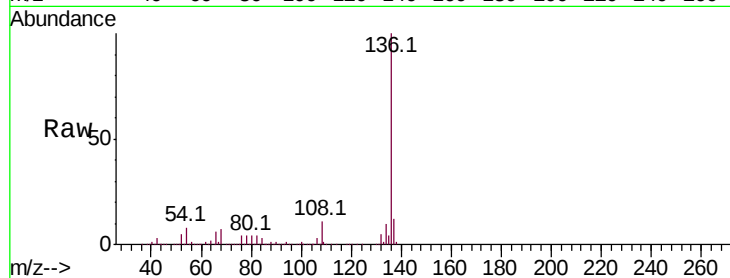


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118607.D
Acq: 20 Jan 2020 22:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1912232

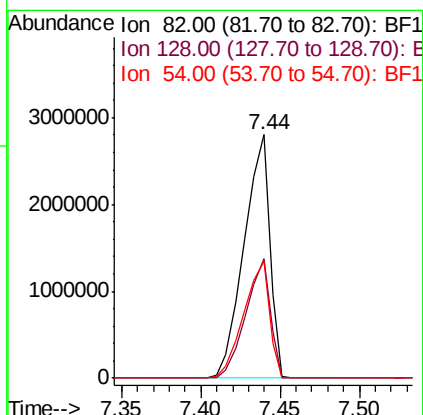
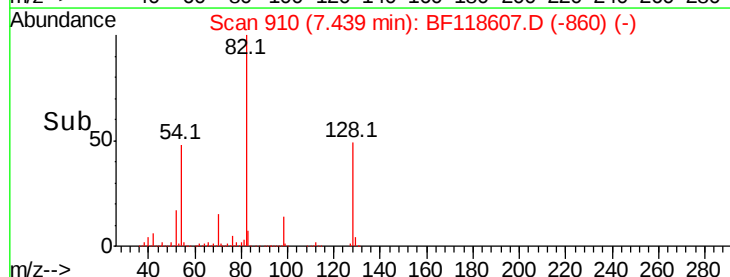
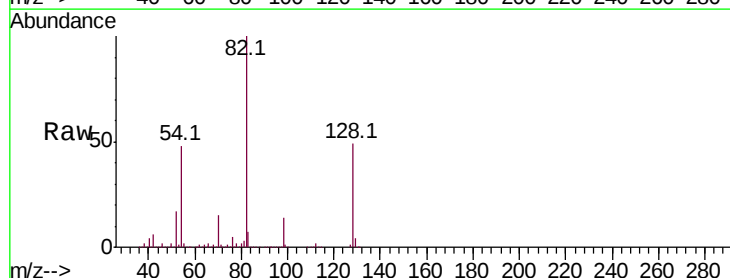
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	8.0	5.8	8.6
68	6.8	5.0	7.4

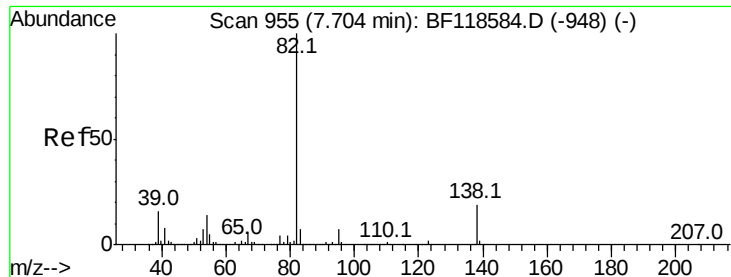


#23
Nitrobenzene-d5
Concen: 92.076 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118607.D
Acq: 20 Jan 2020 22:44

Tgt Ion: 82 Resp: 3147836

Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.6	54.8
54	48.1	38.0	57.0





#25

Isophorone

Concen: 50.429 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

Instrument :

BNA_F

ClientSampleId :

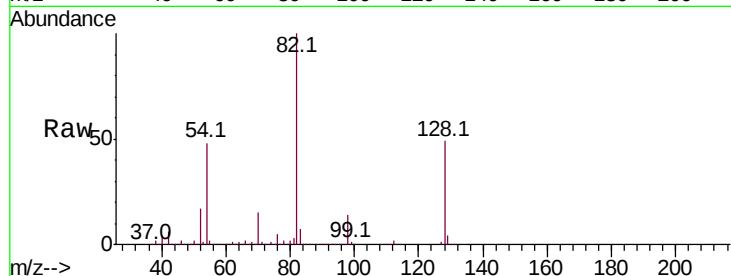
Tot Ion: 82 Resp: 3144583

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

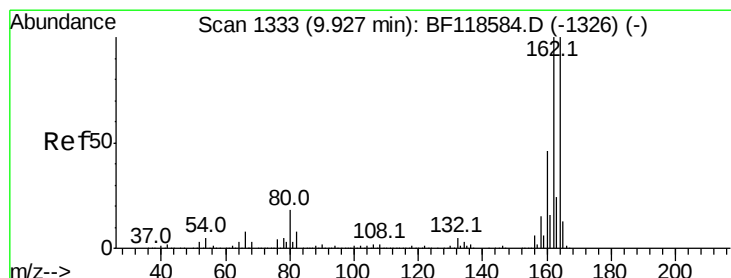
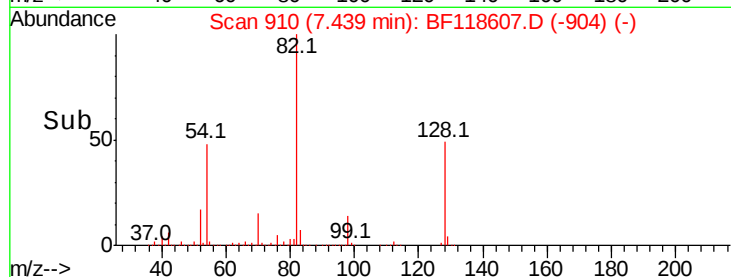
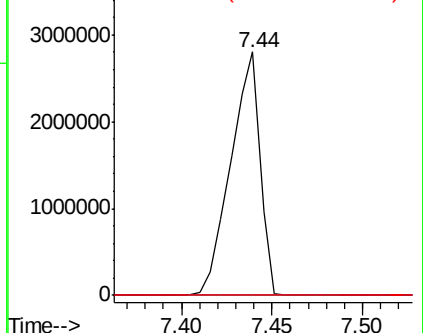
138 0.0 15.3 22.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

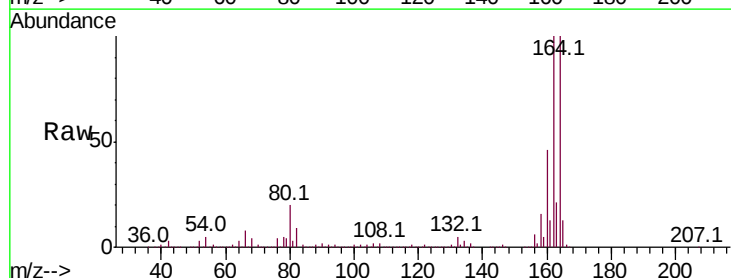
Tgt Ion:164 Resp: 1095664

Ion Ratio Lower Upper

164 100

162 100.1 80.4 120.6

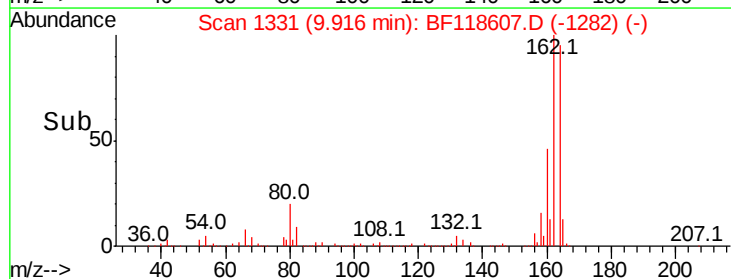
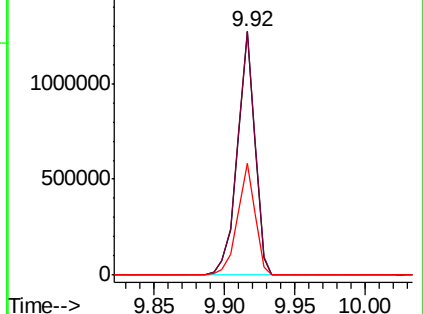
160 46.1 36.6 55.0

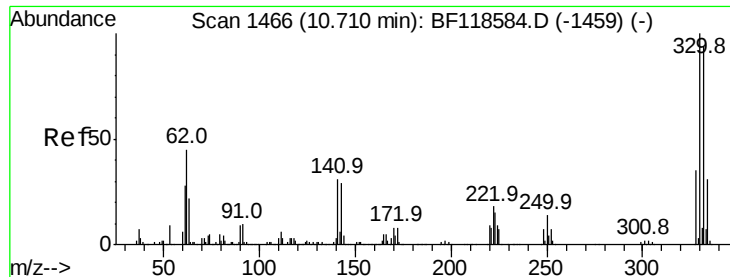


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 132.636 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

Instrument :

BNA_F

ClientSampleId :

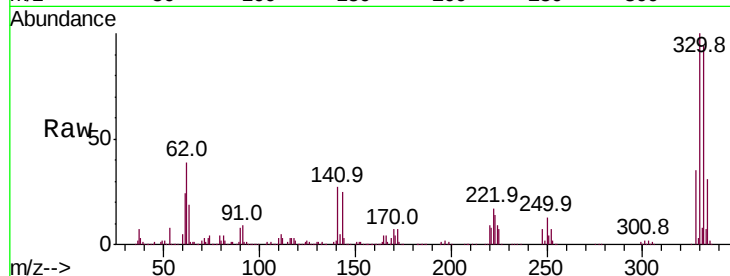
Tot Ion:330 Resp: 1680868

Ion Ratio Lower Upper

330 100

332 95.3 76.2 114.4

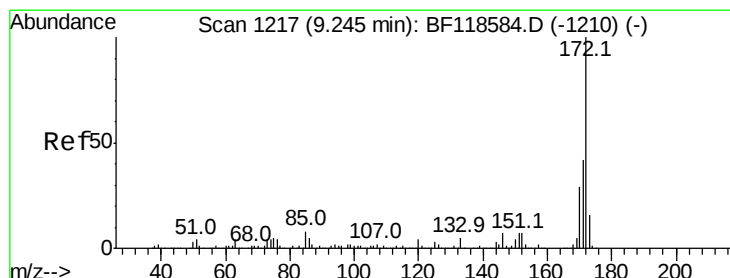
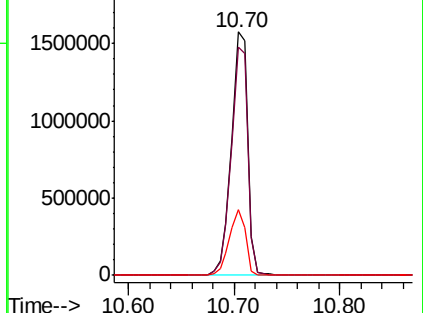
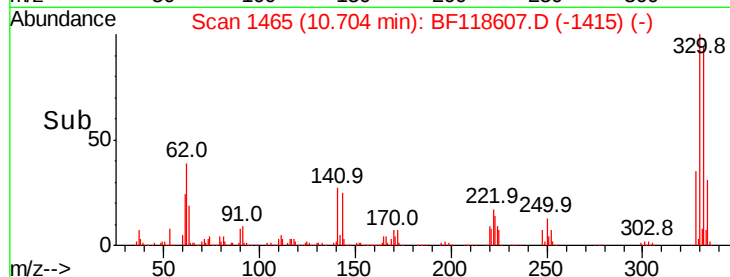
141 27.5 23.9 35.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 83.837 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

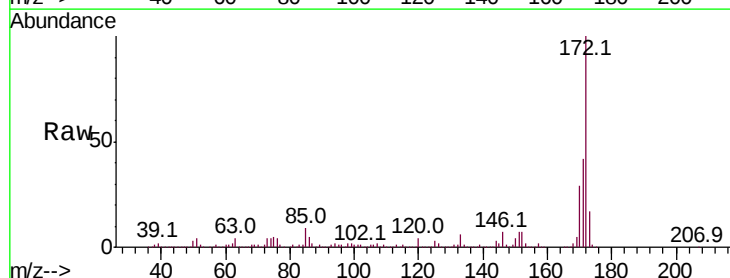
Tgt Ion:172 Resp: 5588725

Ion Ratio Lower Upper

172 100

171 42.4 33.4 50.2

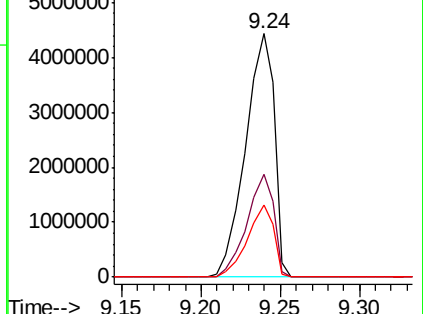
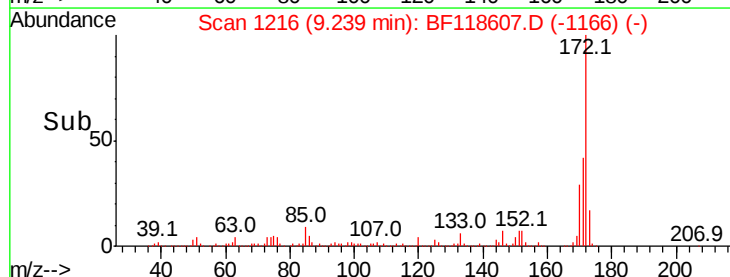
170 29.4 23.2 34.8

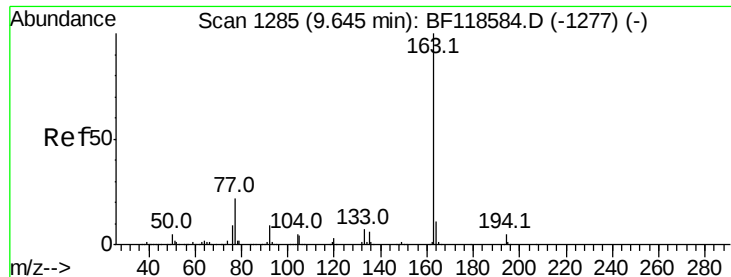


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

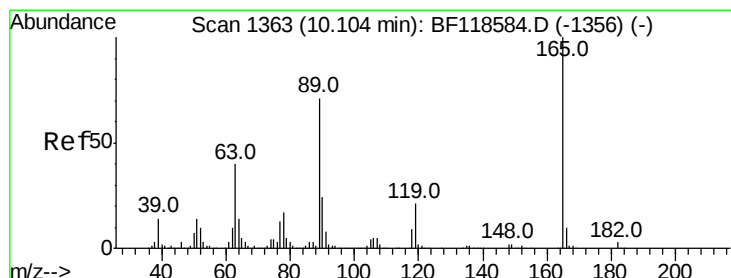
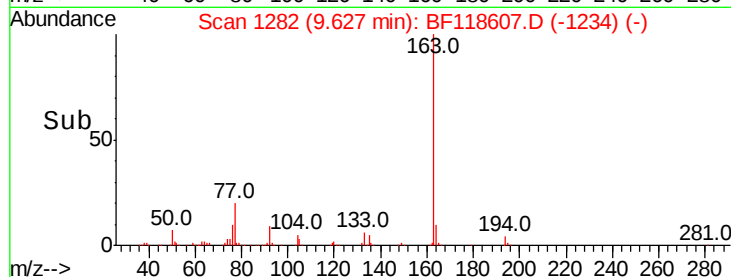
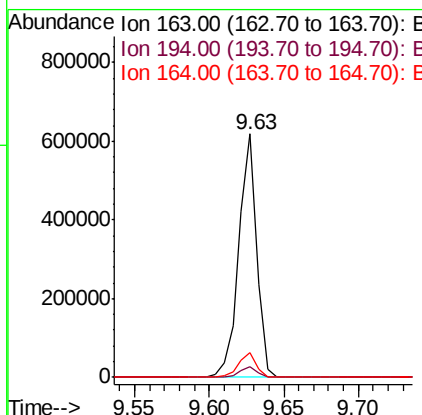
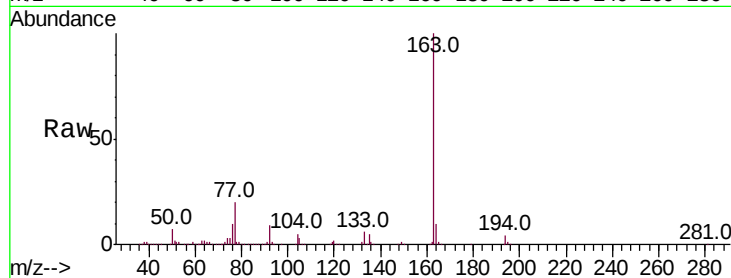




#50
Dimethylphthalate
Concen: 7.306 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118607.D
Acq: 20 Jan 2020 22:44

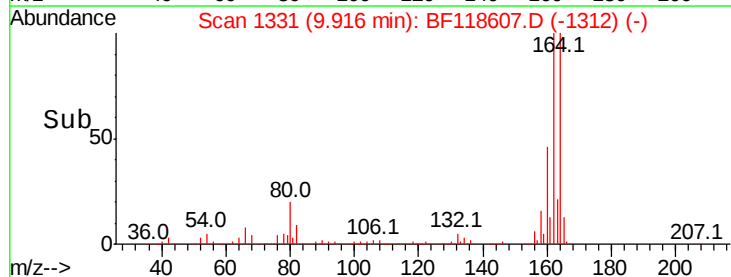
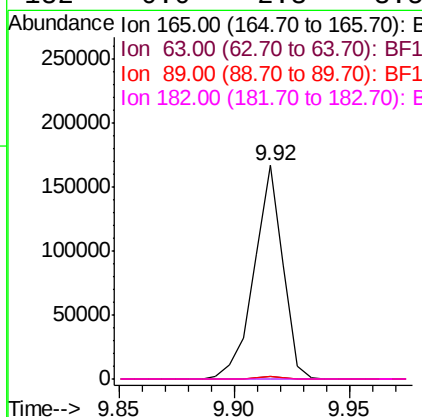
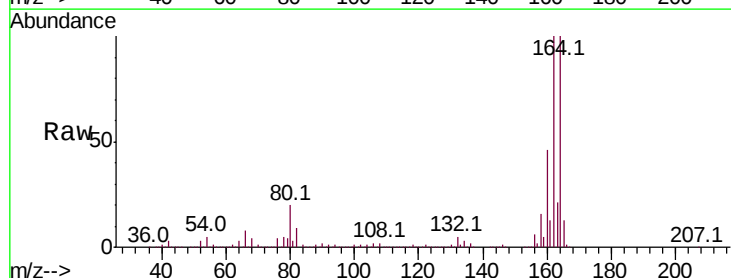
Instrument :
BNA_F
ClientSampleId :

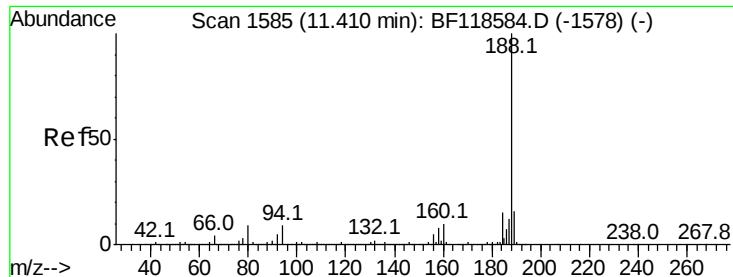
Tot Ion:163 Resp: 521549
Ion Ratio Lower Upper
163 100
194 4.1 3.9 5.9
164 10.0 9.1 13.7



#57
2,4-Dinitrotoluene
Concen: 7.166 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF118607.D
Acq: 20 Jan 2020 22:44

Tgt Ion:165 Resp: 144407
Ion Ratio Lower Upper
165 100
63 1.1 32.4 48.6#
89 1.5 56.4 84.6#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

Instrument :

BNA_F

ClientSampleId :

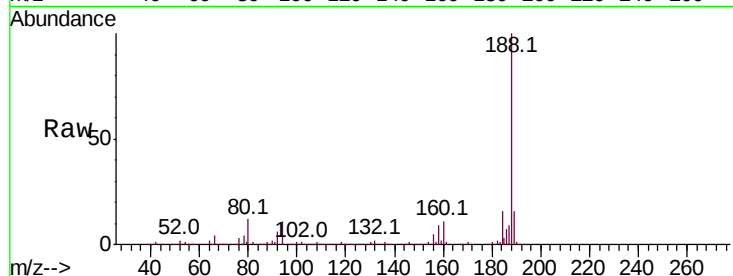
Tot Ion:188 Resp: 1860922

Ion Ratio Lower Upper

188 100

94 10.5 7.1 10.7

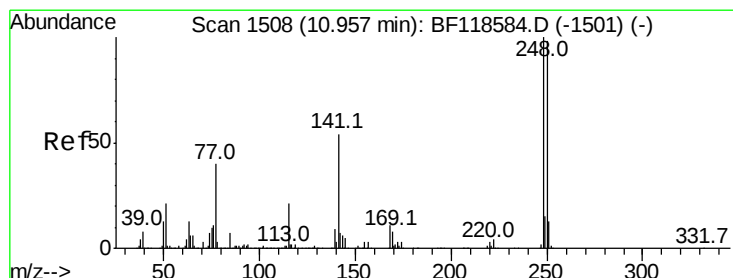
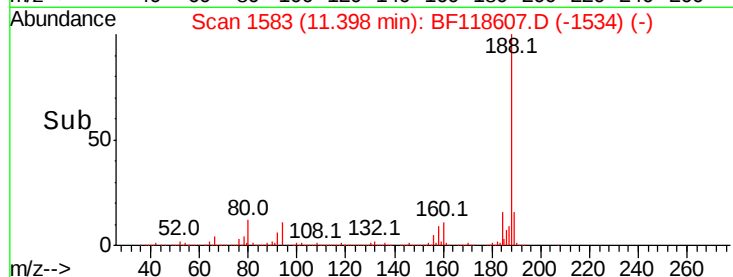
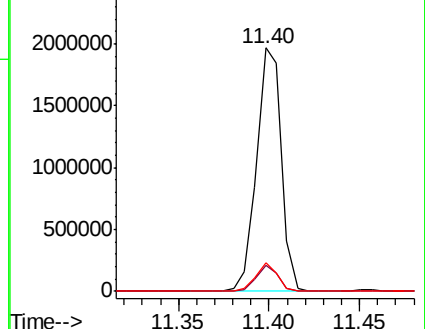
80 11.5 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 4.717 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

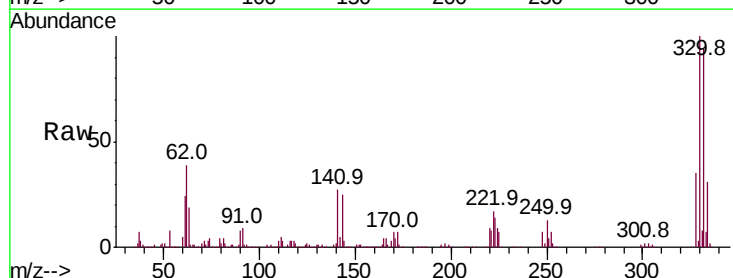
Tgt Ion:248 Resp: 108450

Ion Ratio Lower Upper

248 100

250 202.9 78.7 118.1#

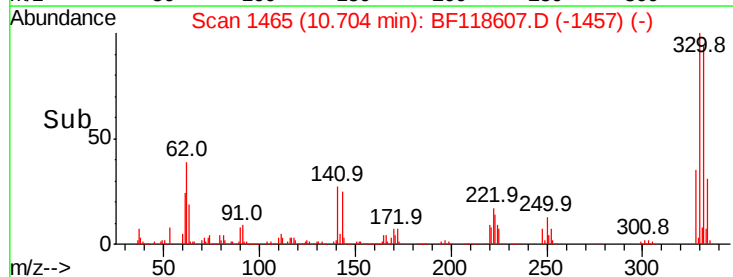
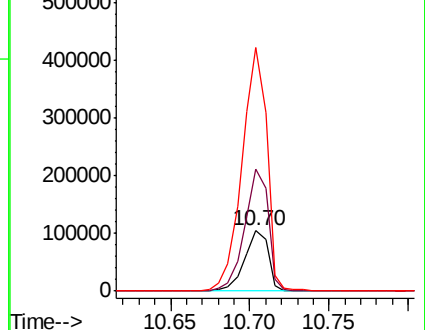
141 403.6 43.2 64.8#

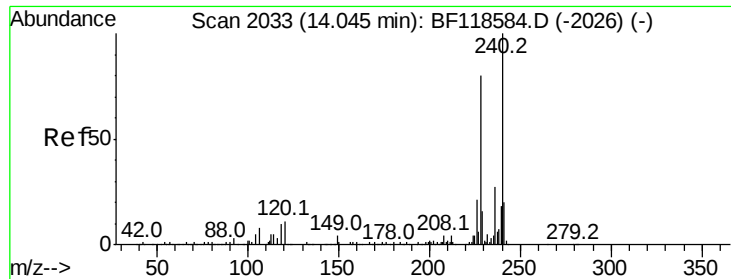


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

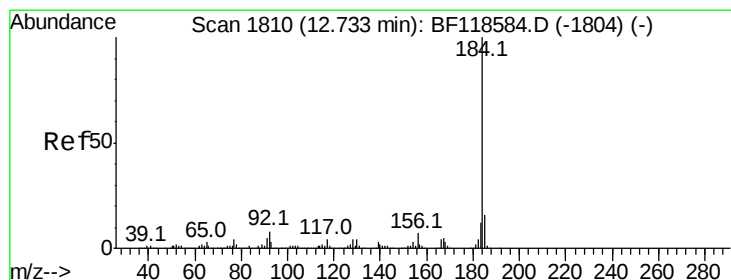
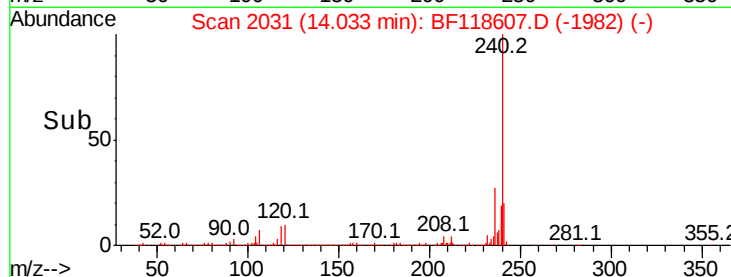
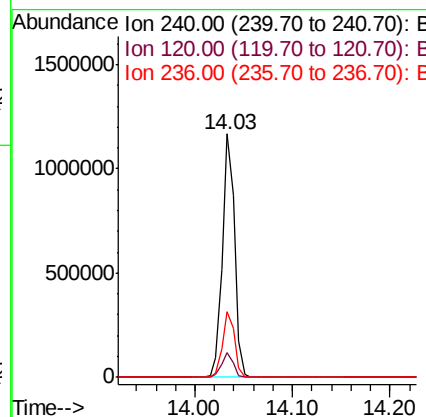
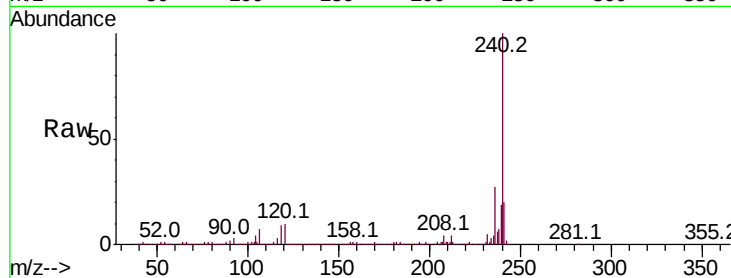




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118607.D
 Acq: 20 Jan 2020 22:44

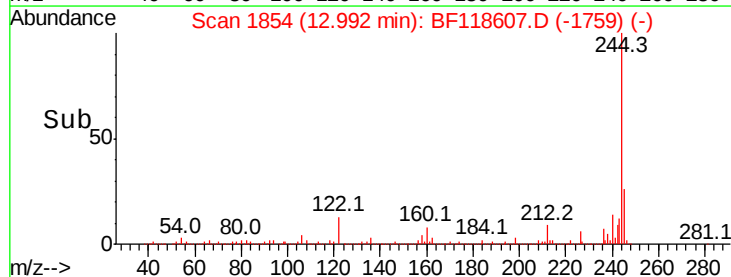
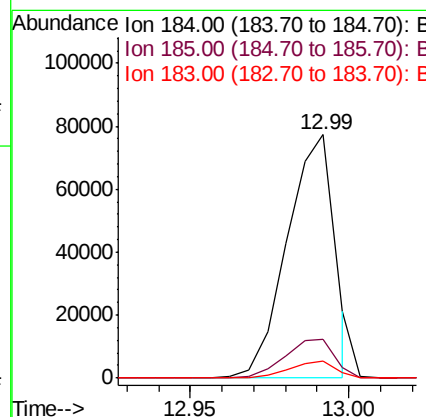
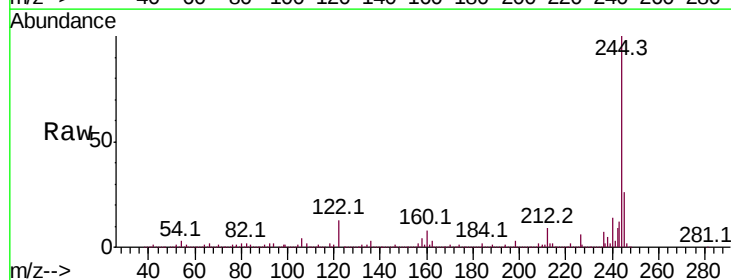
Instrument :
 BNA_F
 ClientSampleId :

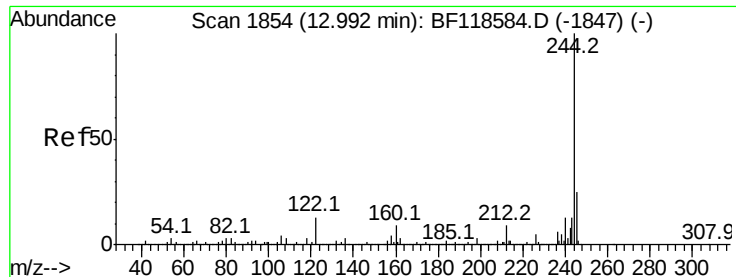
Tot Ion:240 Resp: 1012453
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.9 13.3
 236 26.8 21.5 32.3



#77
 Benzidine
 Concen: 2.975 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.26 min
 Lab File: BF118607.D
 Acq: 20 Jan 2020 22:44

Tgt Ion:184 Resp: 80477
 Ion Ratio Lower Upper
 184 100
 185 15.9 12.9 19.3
 183 7.2 9.6 14.4#





#79

Terphenyl-d14

Concen: 117.051 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

Instrument :

BNA_F

ClientSampleId :

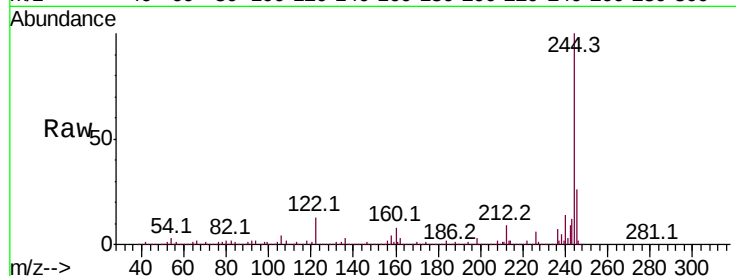
Tot Ion:244 Resp: 5433434

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.4

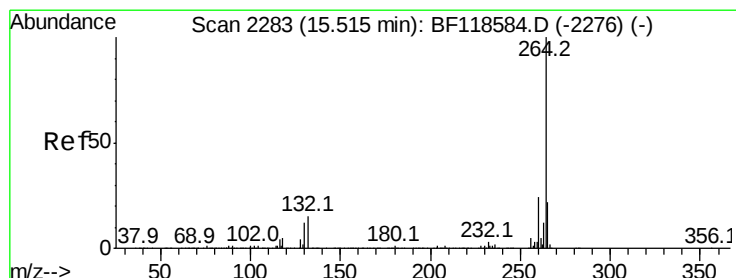
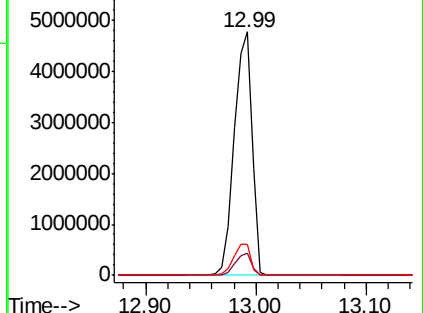
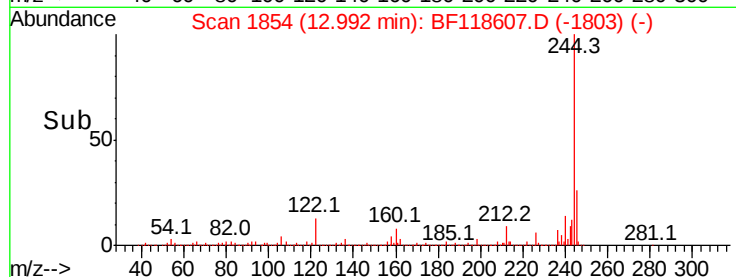
122 12.8 10.7 16.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF118607.D

Acq: 20 Jan 2020 22:44

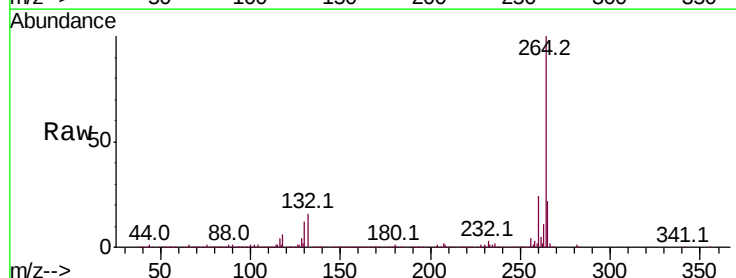
Tgt Ion:264 Resp: 1122895

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

265 22.3 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

